CA0988100

# MATERIAL SAFETY DATA SHEET

#### FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP AUGUST 1983 (Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

### Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY, STATE, AND ZIP CODE TORRANCE, CALIFORNIA 90502

EMERGENCY TELEPHONE NO.

(213) 320-6800

PRODUCT CLASS EPOXY

DPM <u>110-9298 GLOSS BLUE</u>

TRADENAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION 443-3-432

Catalyst: X-304

Mix Ratio: 3 parts 443-3-432 (BASE)

to 1 part X-304 by volume.

### Section II — HAZARDOUS INGREDIENTS

INGREDIENT 443-3-432 (BASE ONLY)	CAS NO.	PERCENT (WT.)	TLV : PPM mg/M³		LEL	VAPOR PRESSURE
METHYL ETHYL KETONE METHYL BUTYL KETONE	78-93-3 591-78-6	20-25 10-15	200 25	to programme	1.8 1.2	70 10
TOLUENE	108-88-3	5–10	200		1.2	22
BUTYL CELLOSOLVE	111-76-2	5-10 <b>&lt;</b> 5	100 50		1.0	1
BUTYL ACETATE METHYL ISOBUTYL KETÖNE	123-86-4 108-10-1	<b>₹</b> 5 <b>₹</b> 1	150 100		1.7	8 15
BUTYL ALCOHOL	71-36-3	<b>∠</b> 1	100		1.7	4

## Section III - PHYSICAL DATA

BOILING RANGE 1760 to 340°F

VAPOR DENSITY

XX HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER

XX SLOWER, THAN ETHER

PERCENT VOLATILE BY VOLUME

62.2%

6.1 lbs.

## Section IV — FIRE AND EXPLOSION HAZARD DATA

RED LABEL, FLAMMABLE DOT CATEGORY

(MIN.)

FLASH POINT 23°F. TAG CLOSED CUP

LEL 1.0

EXTINGUISHING MEDIA

EXCLUDE AIR - USE FOAM, CO2, STEAM, WATER FOG, DRY CHEMICALS.

DO NOT USE WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN

UPPER AND LOWER EXPLOSION LIMITS.

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA

See Section II

THRESHOLD LIMIT VALUE :

Lee A. Dickinson Technical Service Manager

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### FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP.

10 - 81

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### Section I

MANUFACTURER'S NAME

BOSTIK WEST, DIVISION OF EMHART CORPORATION

STREET ADDRESS

20846 S. NORMANDIE AVE. CITY. STATE, AND ZIP CODE

TORRANCE, CA.

90502

EMERGENCYTELEPHONENO. (213)320-6800

PRODUCT CLASS

TRADE NAME

AMINE

MANUFACTURERS CODE IDENTIFICATION

Catalyst for 443-3-Series; 3 parts base to 1 part X-304. 453-1000 Series; 4 parts base to 1 part X-304.

463-3-Series; 4 parts base to 1 part X-304.

BOSTIK

## Section II — HAZARDOUS INGREDIENTS

INGREDIENT X-304 EPOXY CATALYST*	CAS NO.	PERCENT (Wt.)	T PPM	LV mg/M³	LEL	VAPOR PRESSURE		
Methyl Ethyl Ketone Butyl Alcohol	78-93-3 71-36-3	25-30 20-25	200 100		1.8	70 4		
Butyl Acetate Butyl Cellosolve	123-86-4	20-25	150 50		1.7	8		
Toluene  *X-304 may also contain a minor amount of diethylene	108-88-3	5-10	200		1.2	22		
triamine(DETA)  ACGIH, TWA								

#### Section III — PHYSICAL DATA

**BOILING RANGE** 

176-340° F.

VAPOR DENSITY

X HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER X SLOWER THAN ETHER

PERCENT VOLATILE

75%

WEIGHT PER

7.1 1bs.

## Section IV — FIRE AND EXPLOSION HAZARD DATA

DOTCATEGORVed Label, Flammable

23° F.

Tag Closed

1.1 LEL

Cup

**EXTINGUISHING MEDIA** 

Exclude air-Use foam, CO2, steam, water fog,

dry chemicals. Do not uśe water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

Section V — HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE: See Section II
EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water.
Eye Exposure: Flush with water for at least 15 minutes, consult physician.  Ingestion: Consult physician immediately.  Inhalation: Remove victim to fresh air., consult physician.
Section VI — REACTIVITY DATA
Incompatability(Materials to avoid): Strong oxidizing agents. Sparks & open flame
Hazardous Decomposition Products: On combustion CO, CO <sub>2</sub> , Aldehydes and other organics, oxides
of nitrogen.  HAZARDOUS POLYMERIZATION MAY OCCUR XXX WILL NOT OCCUR CONDITIONS TO AVOID
CONDITIONS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away of source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or waste bisposal methods are with detergent & water.
Consult disposal expert and ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.  Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.
of the smoking of open rights.
ventilation : Face velocity > 60 fpm in confined area
Protective Gloves: Chemically resistant gloves.  EYE PROTECTION: Chemical splash goggles or face shield.
OTHER PROTECTIVE EQUIPMENT: Eye bath & Safety Shower.
Section IX — SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed when not in use. Do No handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, etcotter product residues).
All handling equipment should be electrically grounded. Treat as a very flammable liquid.
Los Collins
Lee A. Dickinson
Technical Service Manager